Performance Data Sheet

AE4425Z-FZ1A

General Information

Model	AE4425Z-FZ1A	**Refrigerant**	R-404A
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)	Condensing Temperature (°C)				
		30	40	50	60
-15	Watts (Capacity)		301	236	173
	Watts (Power)	1070	198	208	216
	Amps		2.31	2.59	2.93
	Lb/h	918	10.9	10.2	9.95
-10	Watts (Capacity)		378	299	223
	Watts (Power)	1080	211	226	238
	Amps		2.34	2.65	3.01
	Lb/h	921	13.3	12.6	12.2
-6.7	Watts (Capacity)		436	346	259
	Watts (Power)	1080	219	237	253
	Amps		2.37	2.68	3.06
	Lb/h	923	15.1	14.3	13.8
-5	Watts (Capacity)		468	373	278
	Watts (Power)	1090	223	243	260
	Amps		2.38	2.70	3.08
	Lb/h	924	16.1	15.3	14.7
0	Watts (Capacity)		573	458	342
	Watts (Power)	1090	232	258	281
	Amps		2.41	2.75	3.15
	Lb/h	927	19.3	18.3	17.5
5	Watts (Capacity)		696	557	416
	Watts (Power)	1090	238	270	299
	Amps		2.43	2.79	3.22
	Lb/h	931	22.9	21.8	20.7
7.2	Watts (Capacity)		757	605	453
	Watts (Power)	1090	240	275	307

	Amps		2.43	2.81	3.25
	Lb/h	933	24.7	23.4	22.2
10	Watts (Capacity)		839	672	503
	Watts (Power)	1080	240	279	315
	Amps		2.44	2.83	3.28
	Lb/h	935	27.1	25.7	24.3
15	Watts (Capacity)		1000	805	604
	Watts (Power)	1070	237	284	328
	Amps		2.43	2.85	3.33
	Lb/h	940	31.9	30.1	28.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-4.64192E+04	1.78237E+04	-1.18705E+05	1.81572E+04
C2	3.91204E+01	-3.57624E+00	-1.24505E-02	7.15543E-01
C3	2.91489E+03	-1.08904E+03	7.32025E+03	-1.11834E+03
C4	6.54689E-01	-1.18414E-01	-3.02853E-04	1.33279E-02
C5	-3.78828E-01	1.32888E-01	4.30023E-04	1.54746E-03
C6	-5.93217E+01	2.21388E+01	-1.48383E+02	2.26665E+01
C7	2.88804E-03	-9.39139E-04	-3.18044E-06	7.77712E-05
C8	-7.50486E-03	1.32111E-03	3.36118E-06	-1.01981E-04
C9	-7.37786E-04	-1.27852E-04	1.57371E-07	-5.91241E-05
C10	3.95492E-01	-1.47687E-01	9.89222E-01	-1.51105E-01

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature